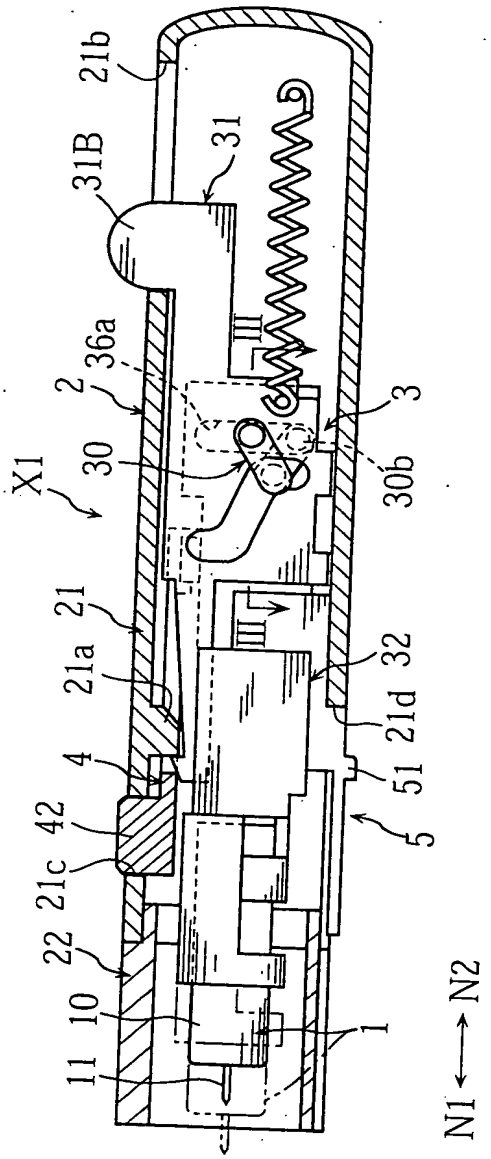
10/552841

FIG.1



10/552841

FIG.2

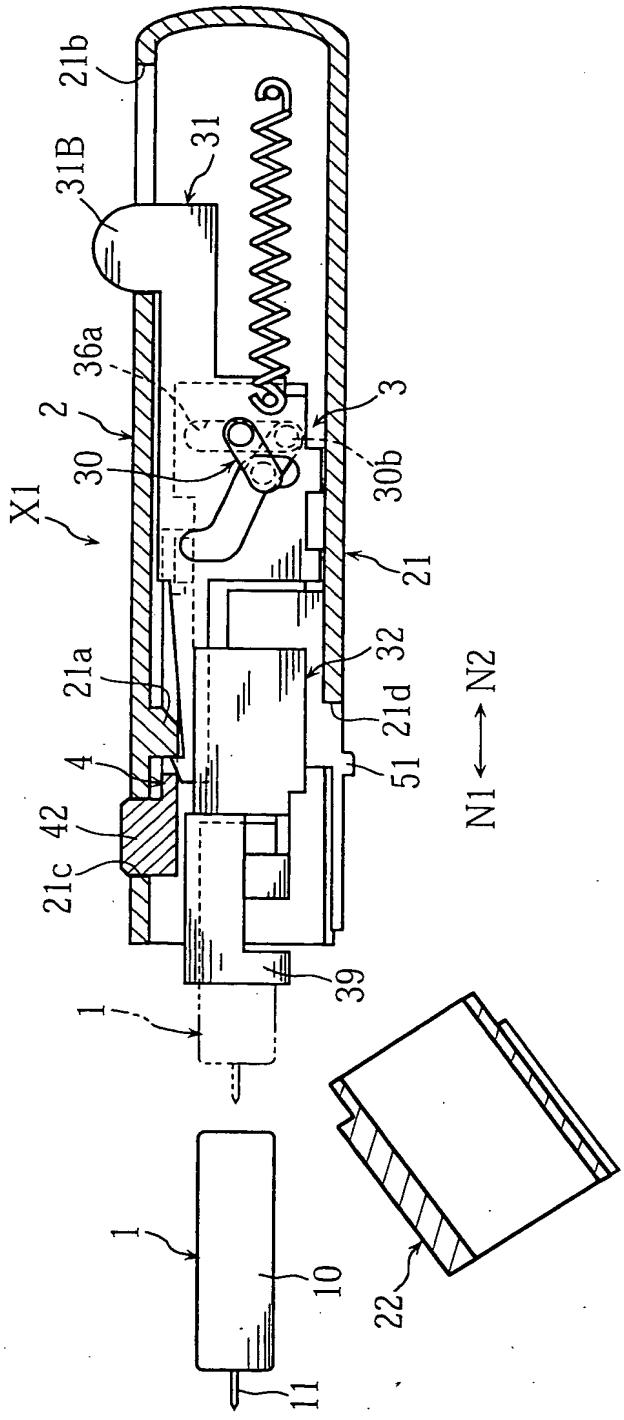


FIG.3

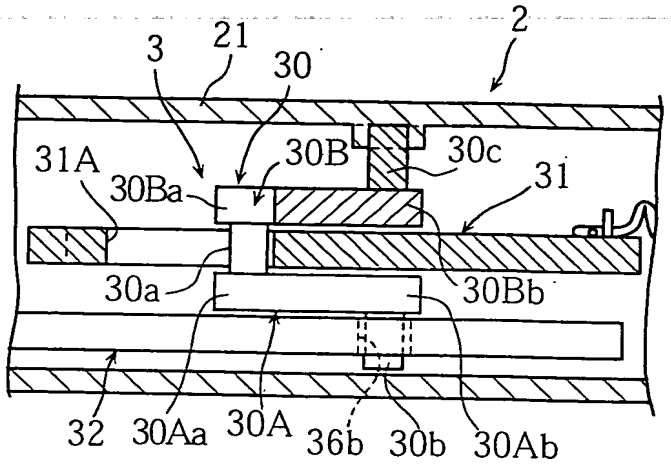


FIG.4

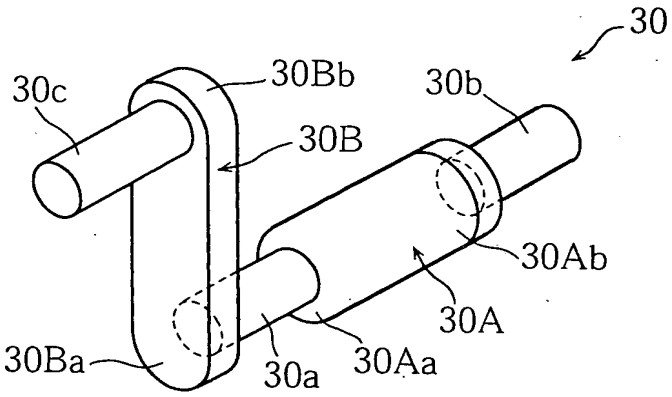


FIG.5

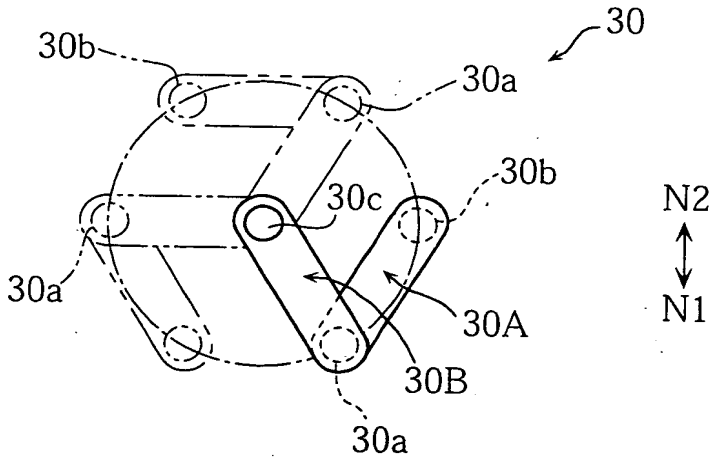


FIG.6A

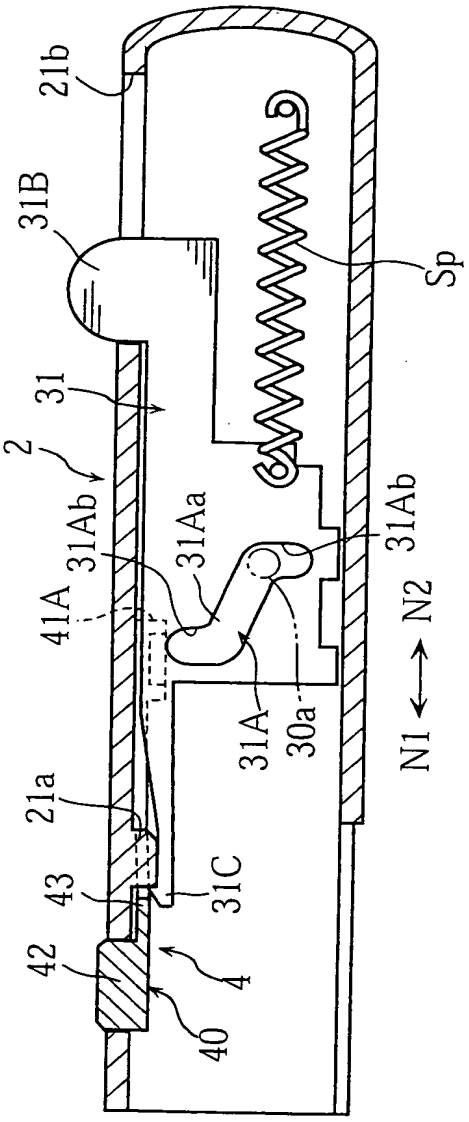

21b
31B
Sp
31
2
31Ab
41A
31Aa
31Ab
31A
30a
N1 ⟷ N2
21a
43
31C
42
4
40

FIG.6B

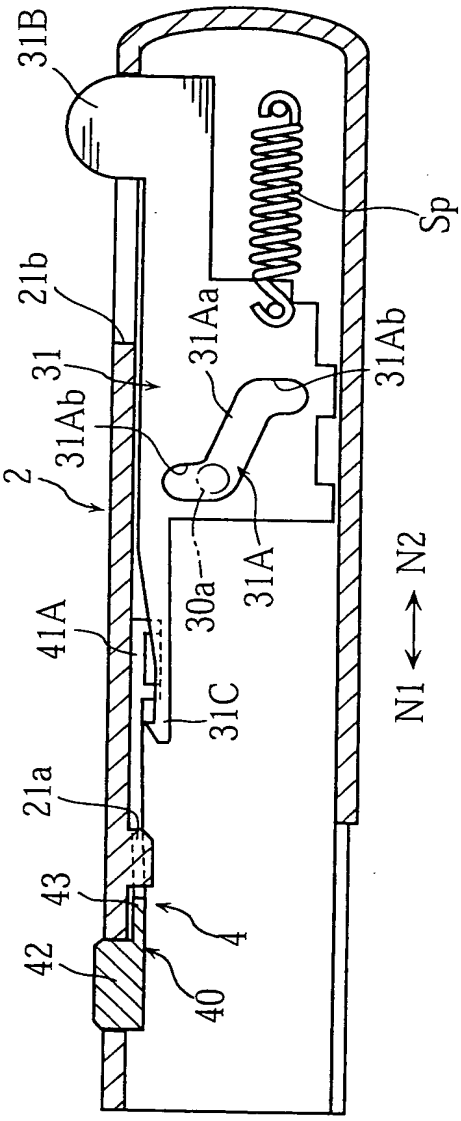

31B
Sp
21b
31
31Aa
31Ab
2
31Ab
41A
30a
31A
31C
N1 ⟷ N2
21a
43
42
4
40

FIG.7

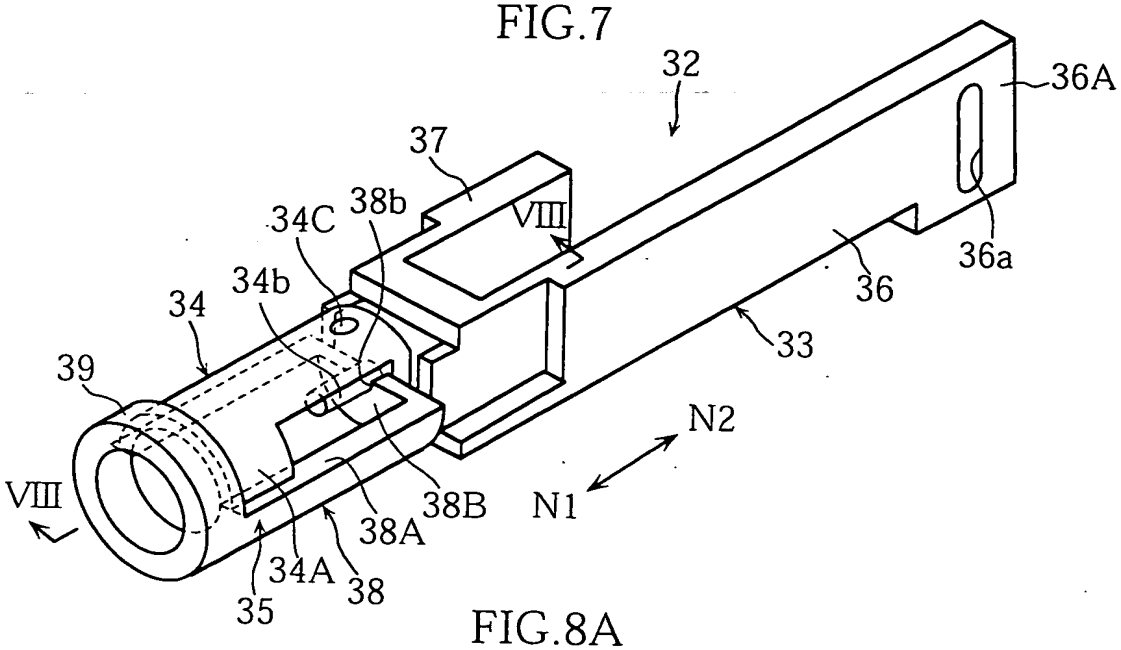


FIG.8A

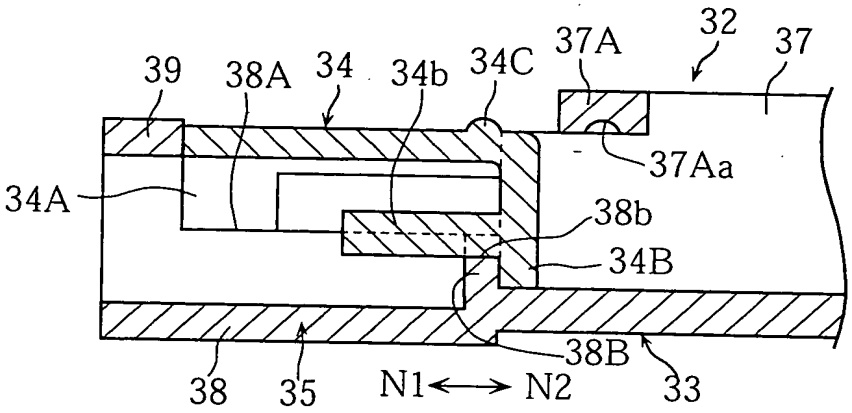


FIG.8B

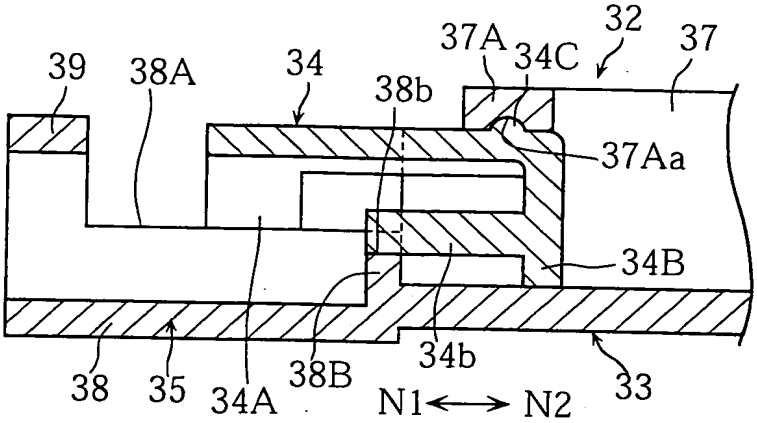


FIG.9

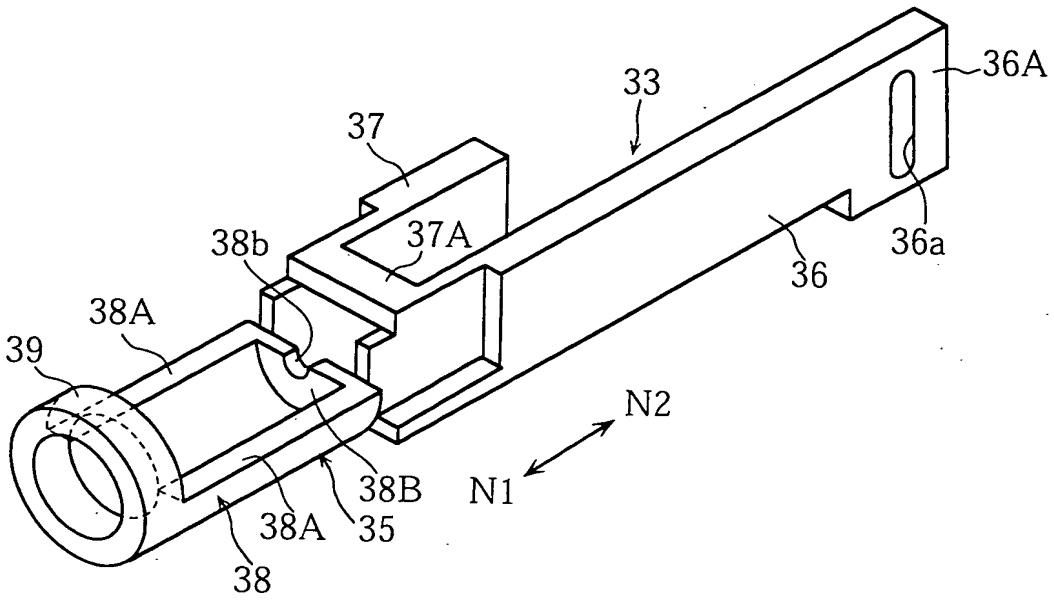

36A
33
37
37A
38b
36a
36
38A
39
N2
N1
38B
38A
35
38

FIG.10

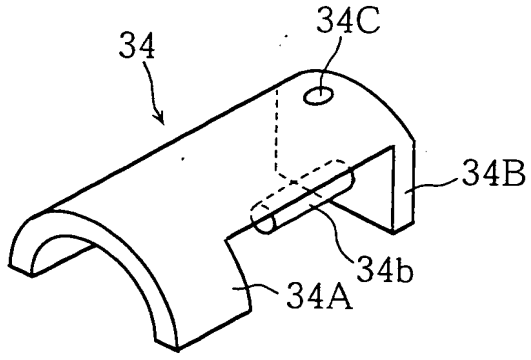

34C
34
34B
34b
34A

FIG.11

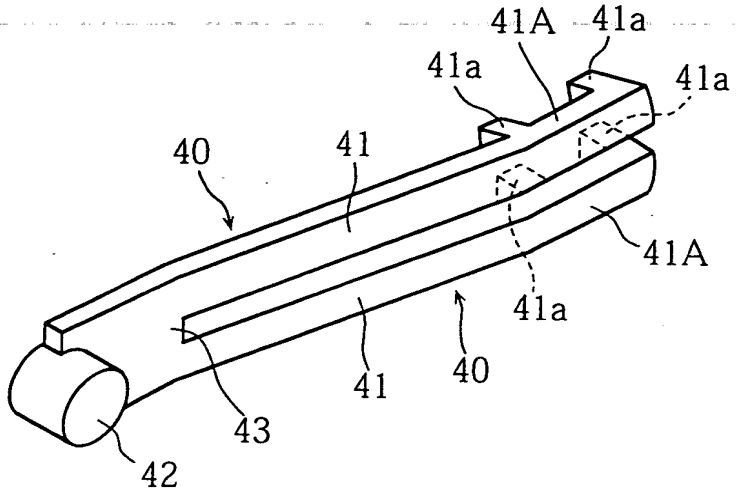

41A
41a
41a
41a
40
41
41A
41a
40
41
43
42

FIG.12

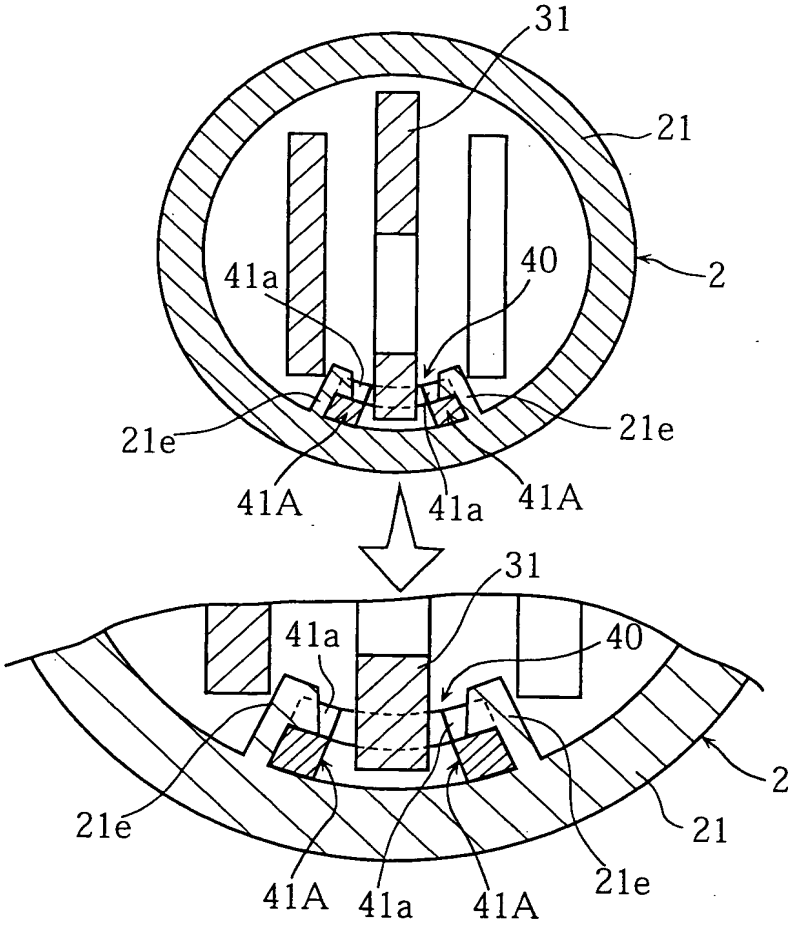

31
21
2
41a
40
21e
21e
41A
41a
41A
31
41a
40
2
21e
21
41A
41a
41A
21e

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FIG.13A

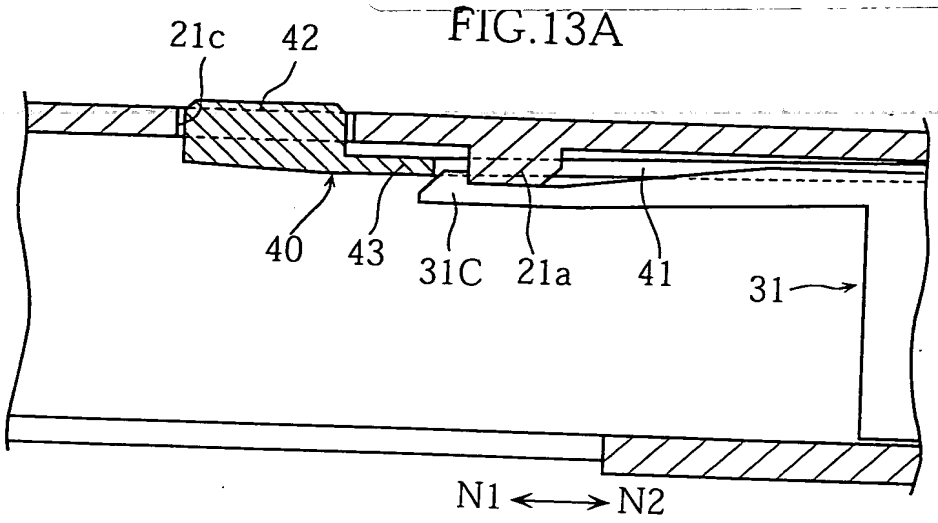

FIG.13B

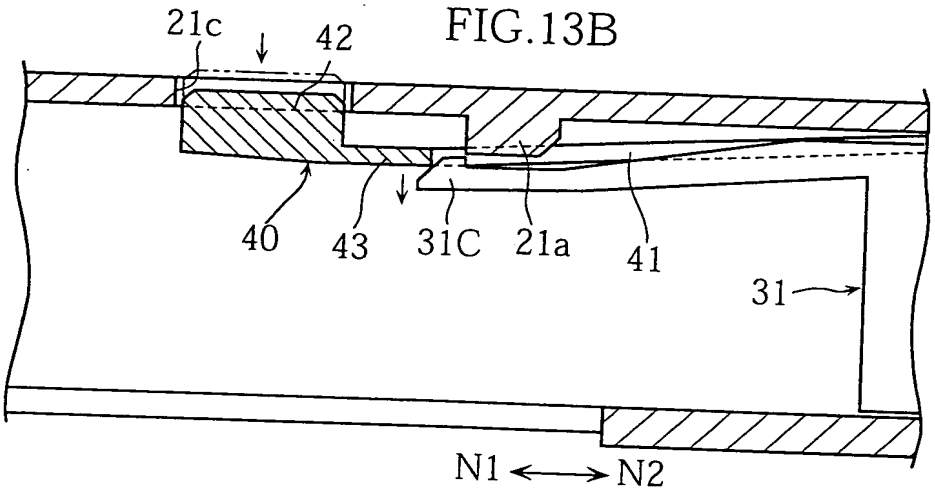

FIG.13C

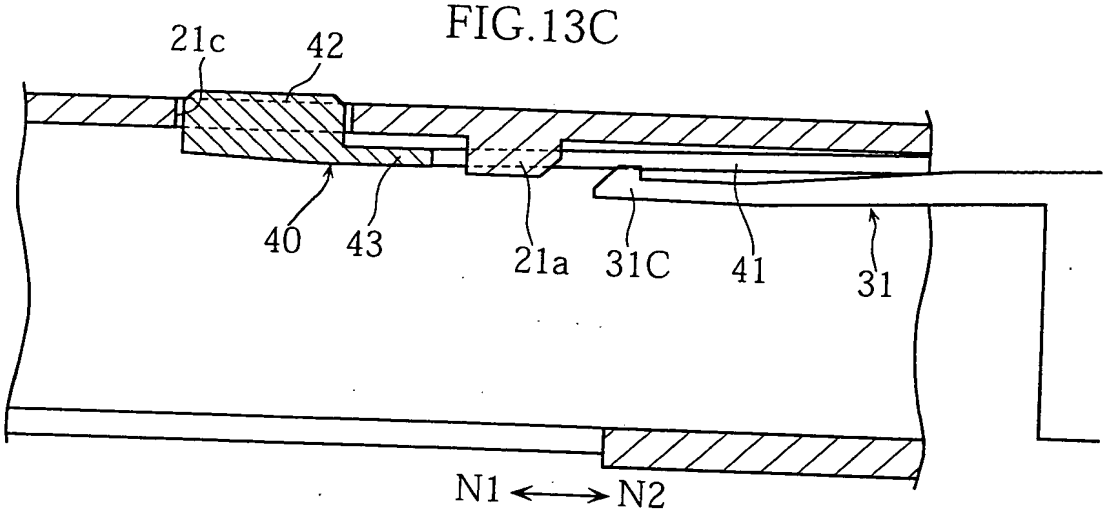

FIG.14A

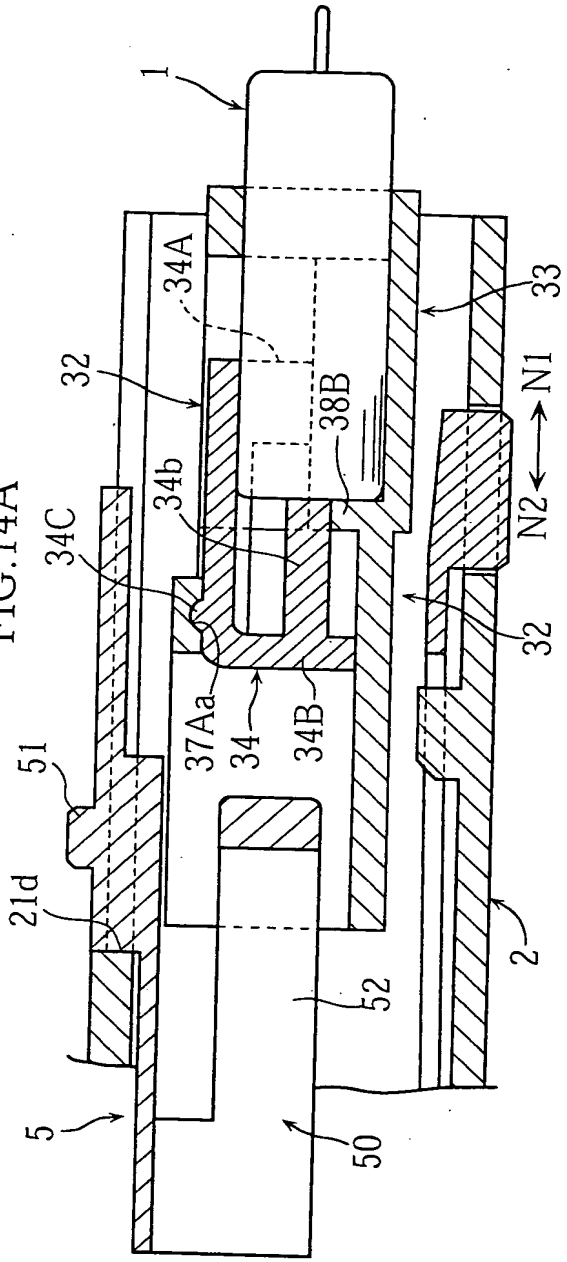

FIG.14B

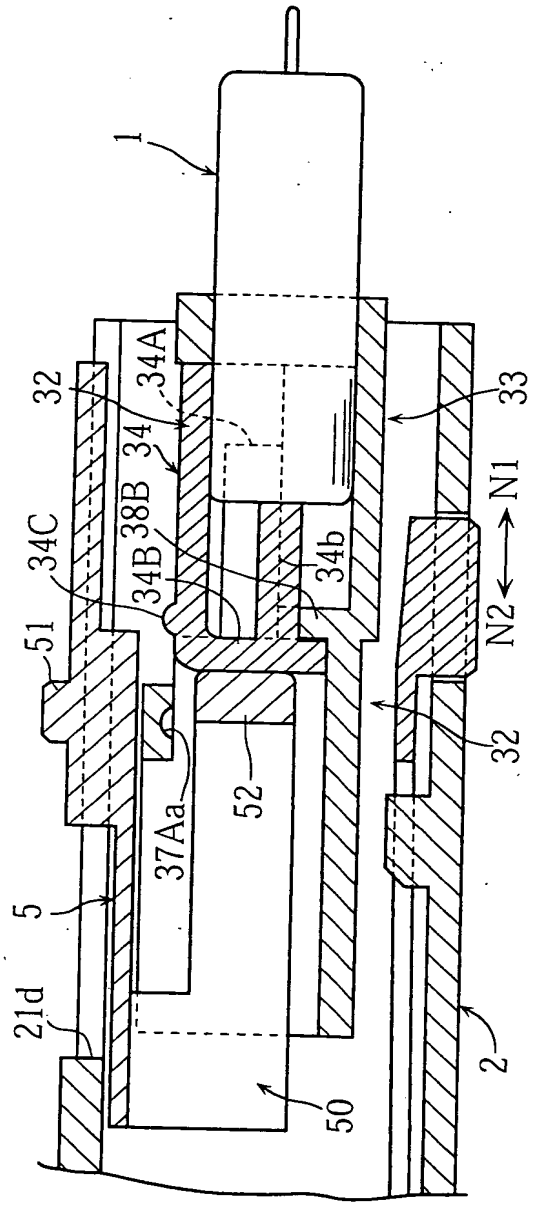

FIG.15D

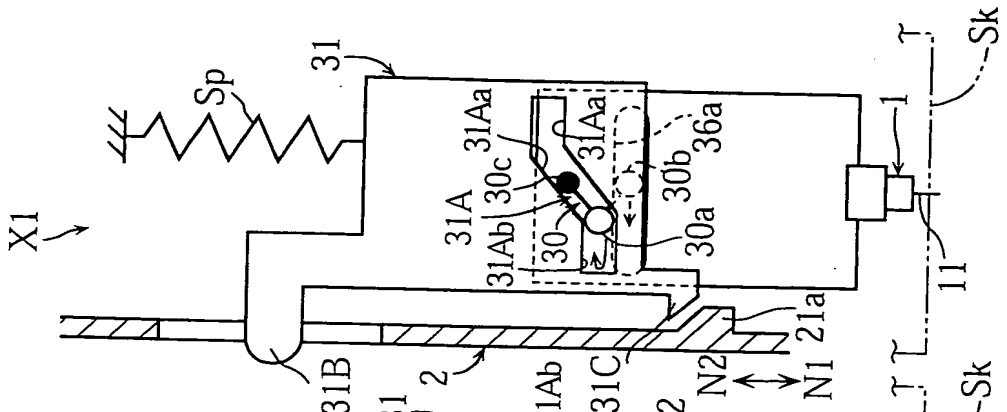

FIG.15C

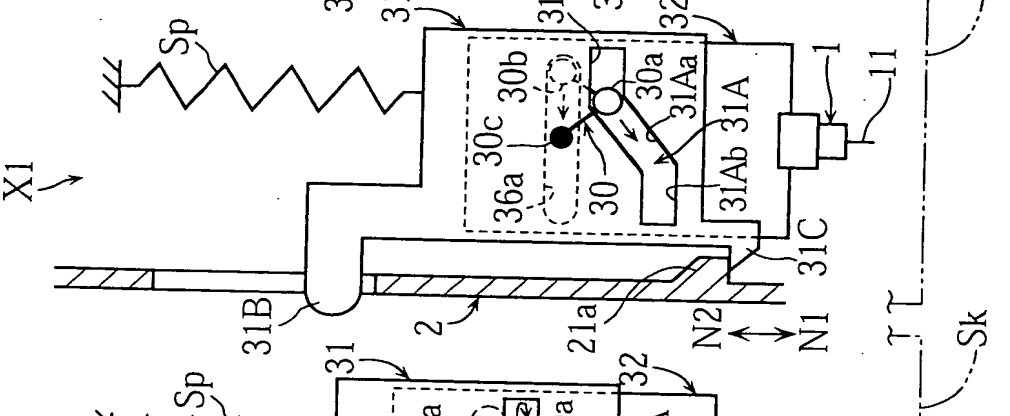

FIG.15B

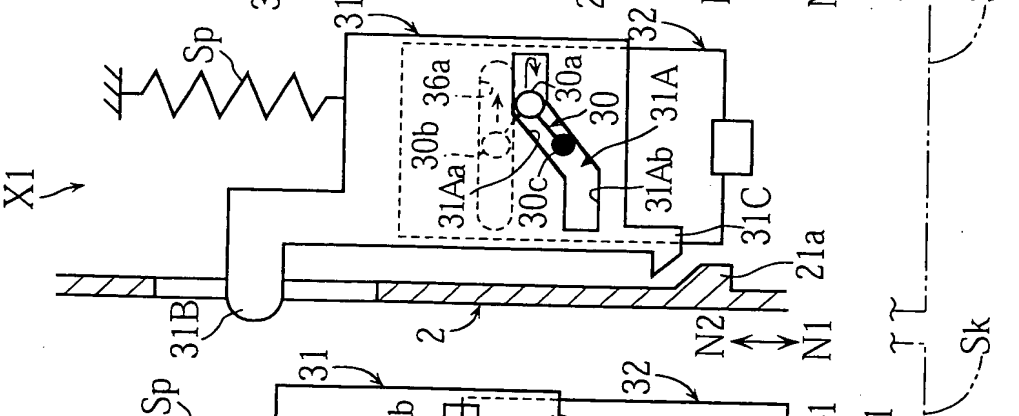

FIG.15A

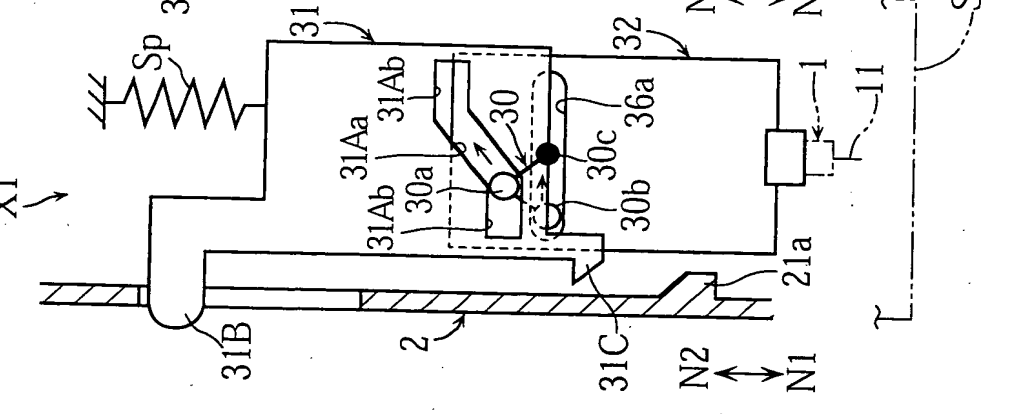

FIG.16

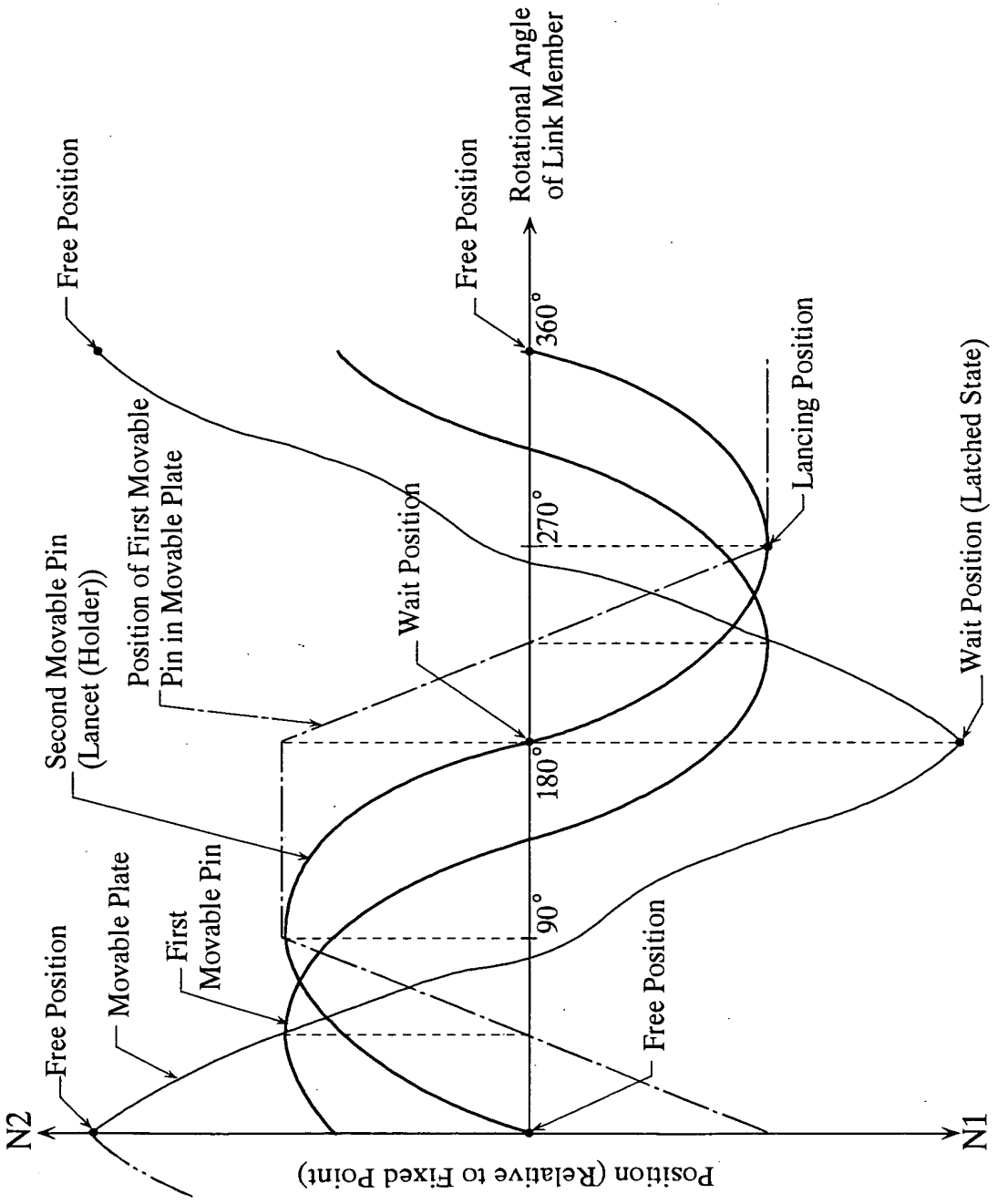
Free Position
Second Movable Pin
(Lancet (Holder))
Position of First Movable
Pin in Movable Plate
Wait Position
Free Position
Rotational Angle
of Link Member
Free Position
360°
270°
Lancing Position
Wait Position (Latched State)
180°
90°
Free Position
First
Movable Pin
Movable Plate
Free Position
N2
N1
Position (Relative to Fixed Point)

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FIG.17

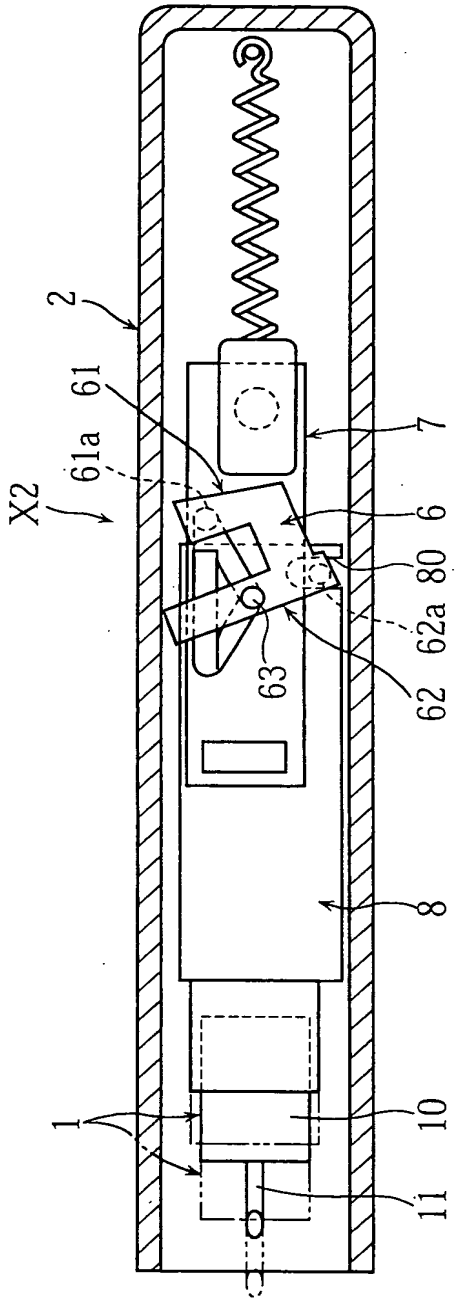

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FIG.18

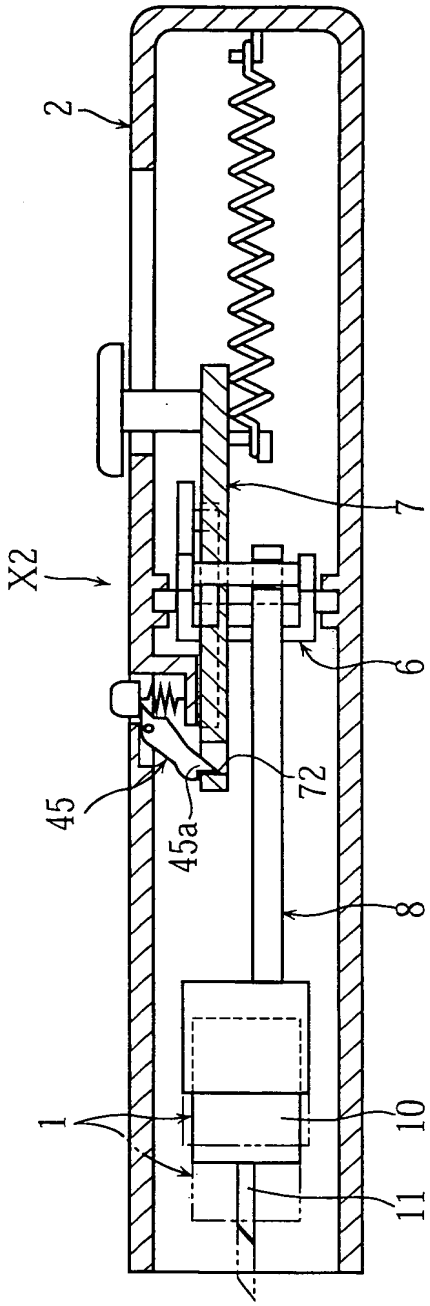

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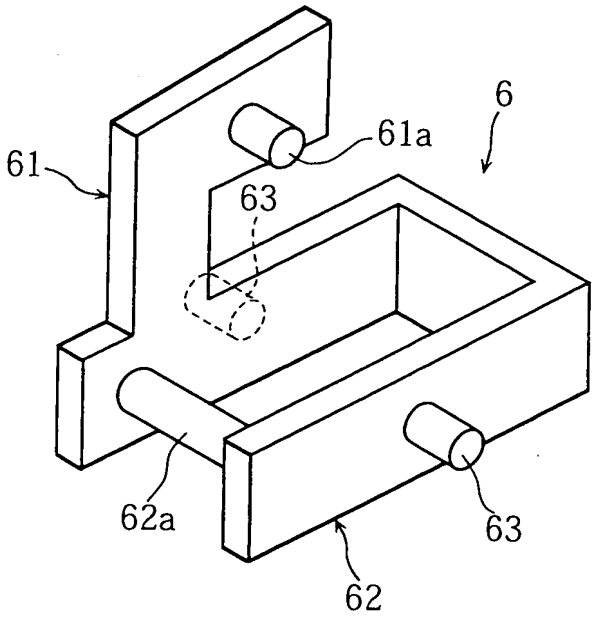
FIG.19



10/552841

FIG.20A

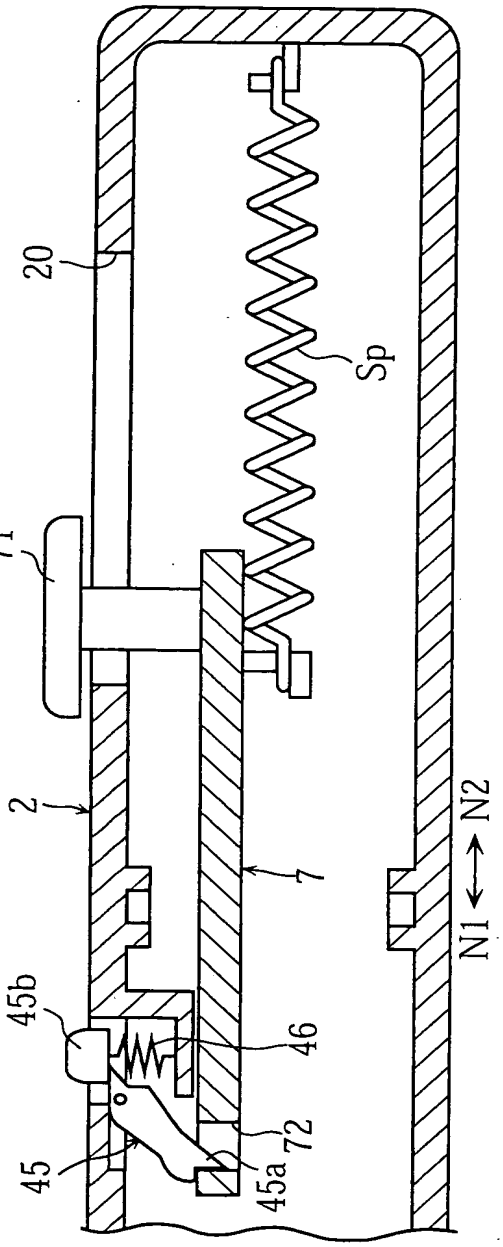


FIG.20B

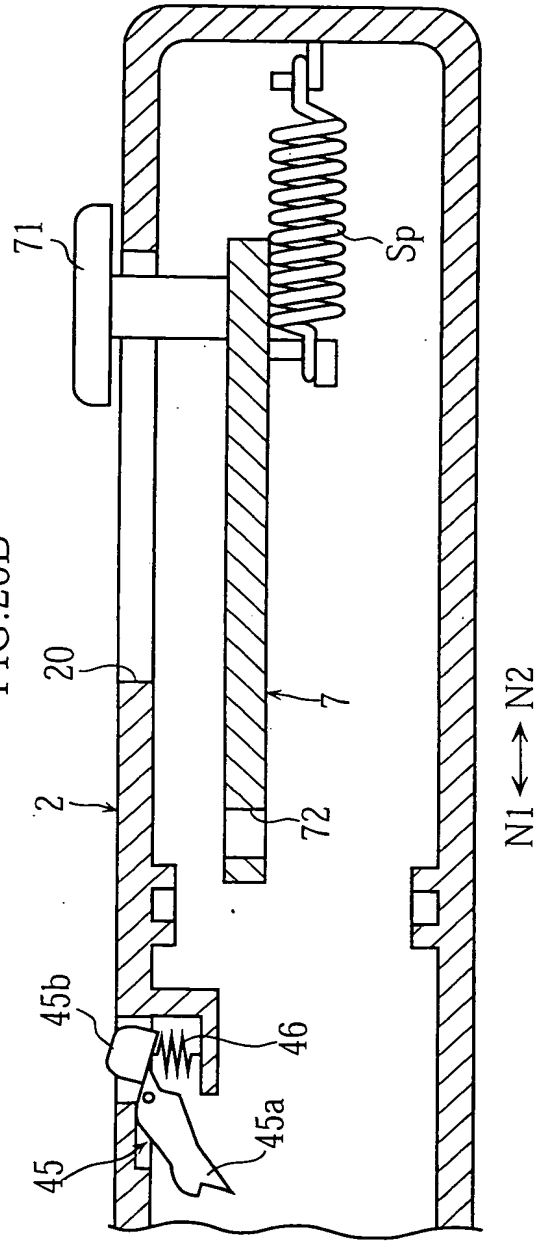


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FIG.21

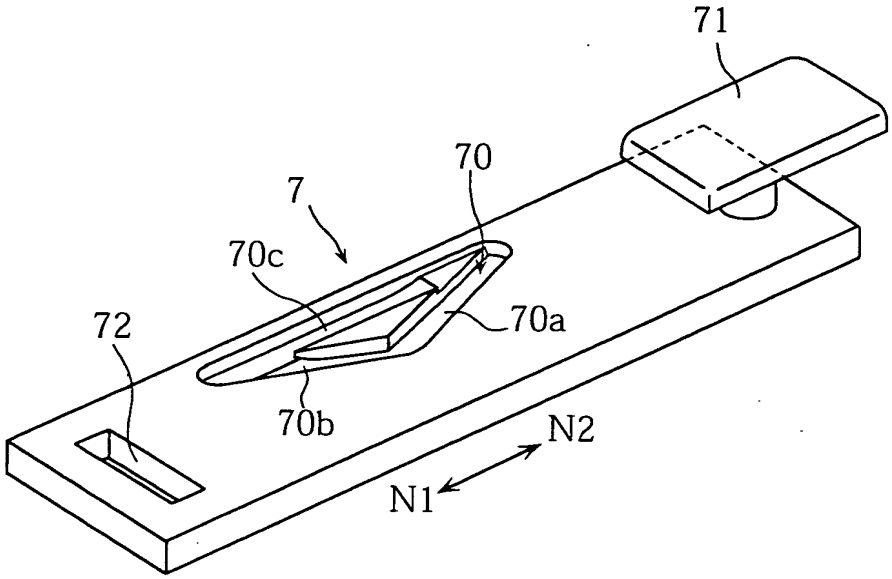

FIG.22

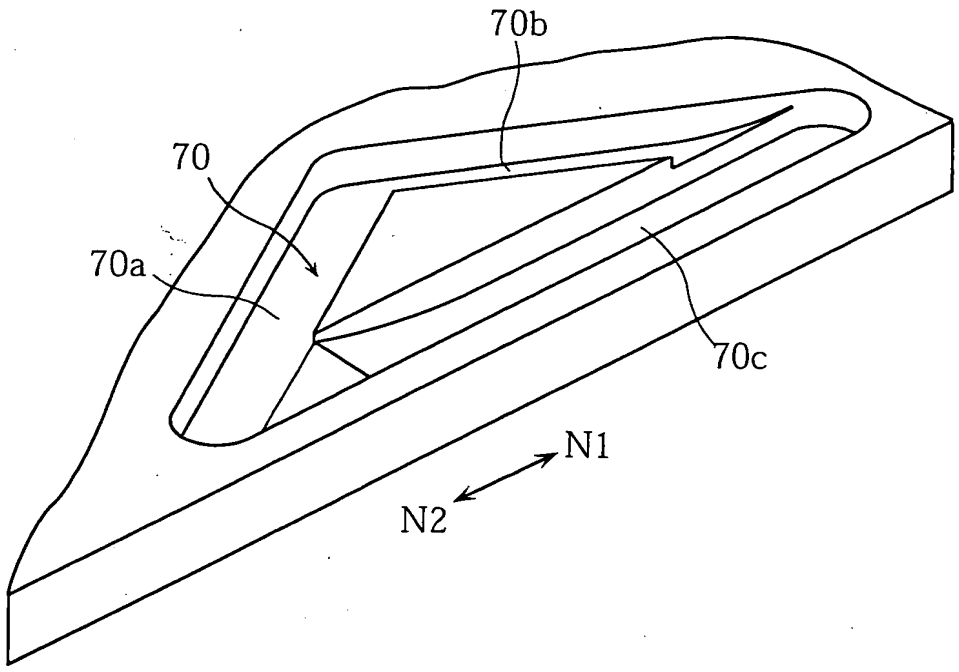

FIG.23

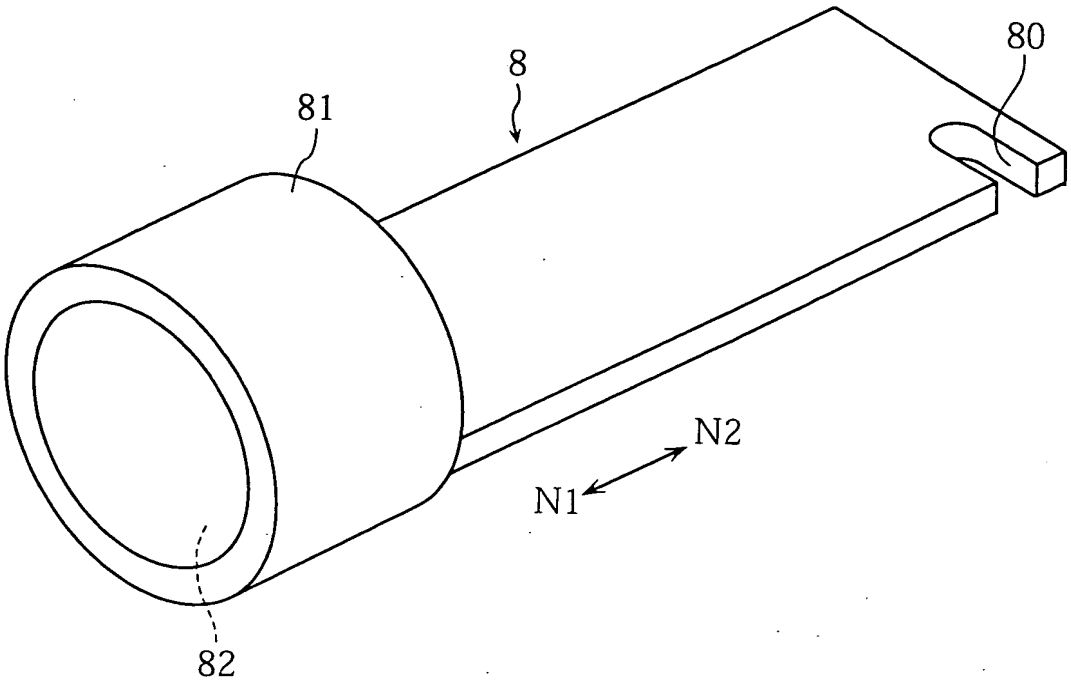

FIG.24D

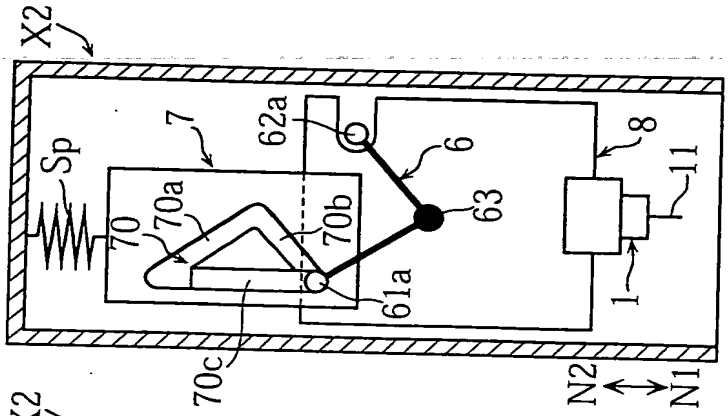

FIG.24C

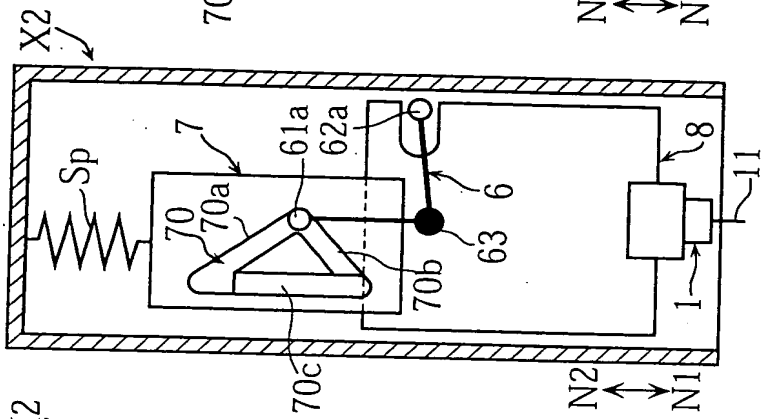

FIG.24B

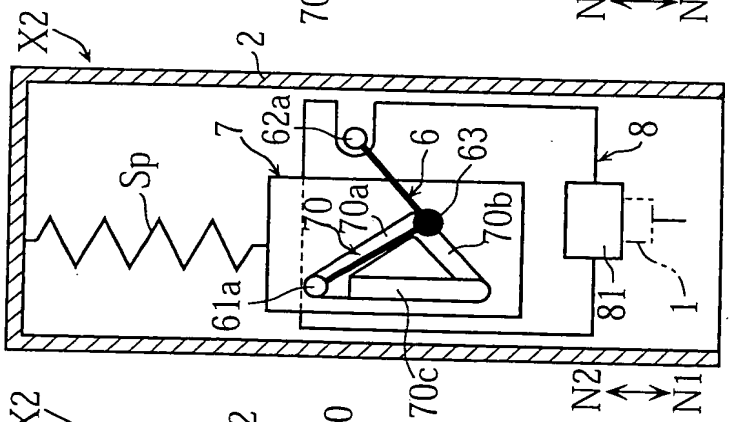

FIG.24A

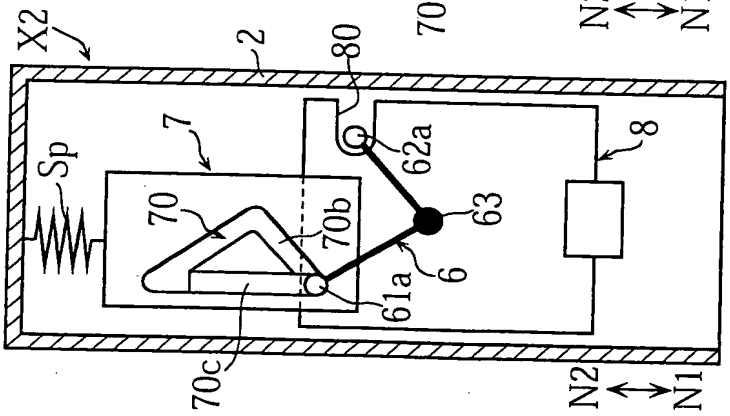

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FIG.25E

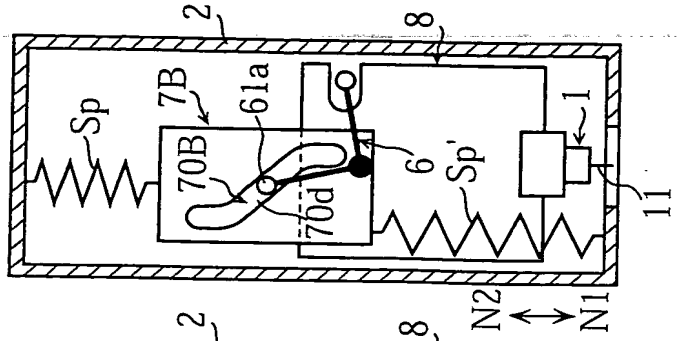

FIG.25D

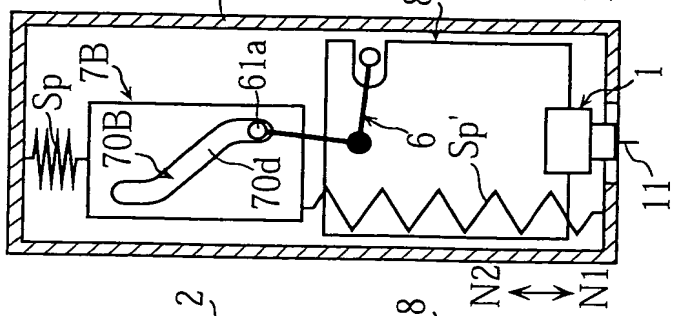

FIG.25C

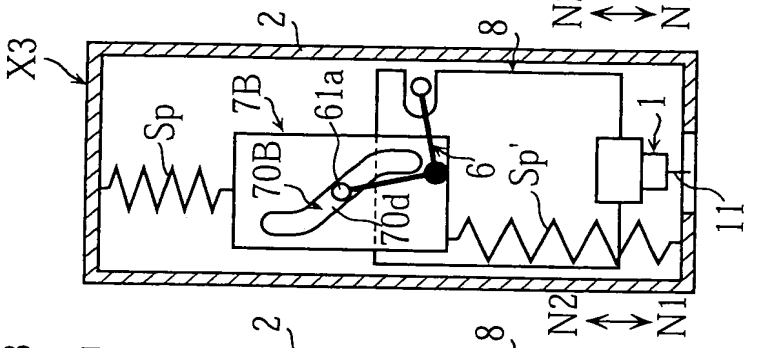

FIG.25B

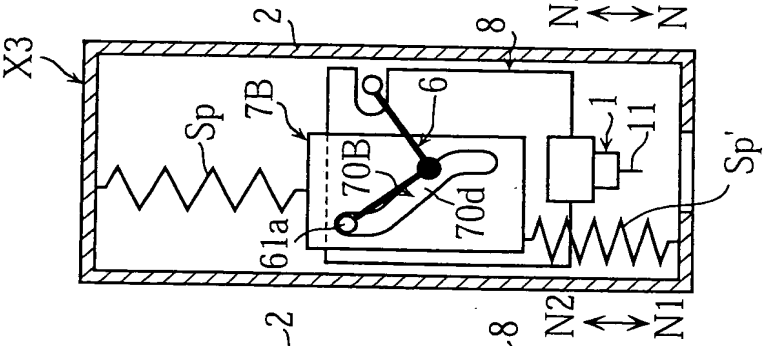

FIG.25A

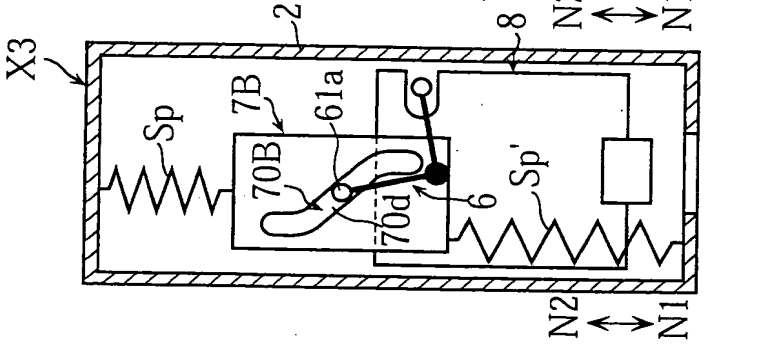

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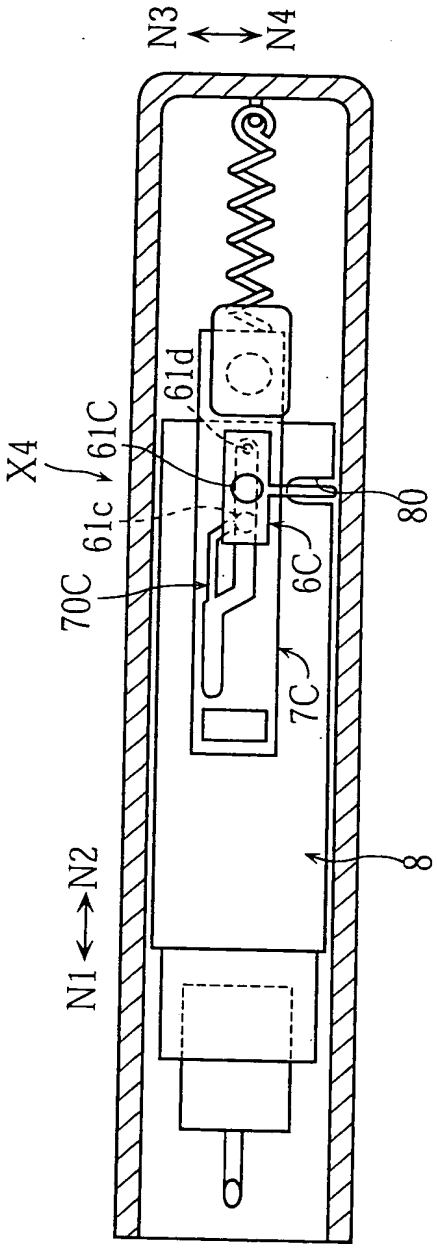
FIG.26



10/552841

FIG.27

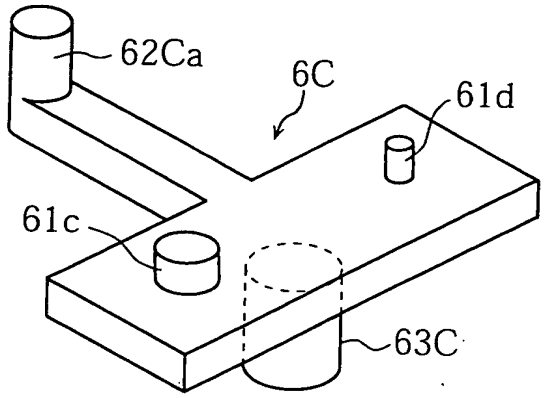


FIG.28

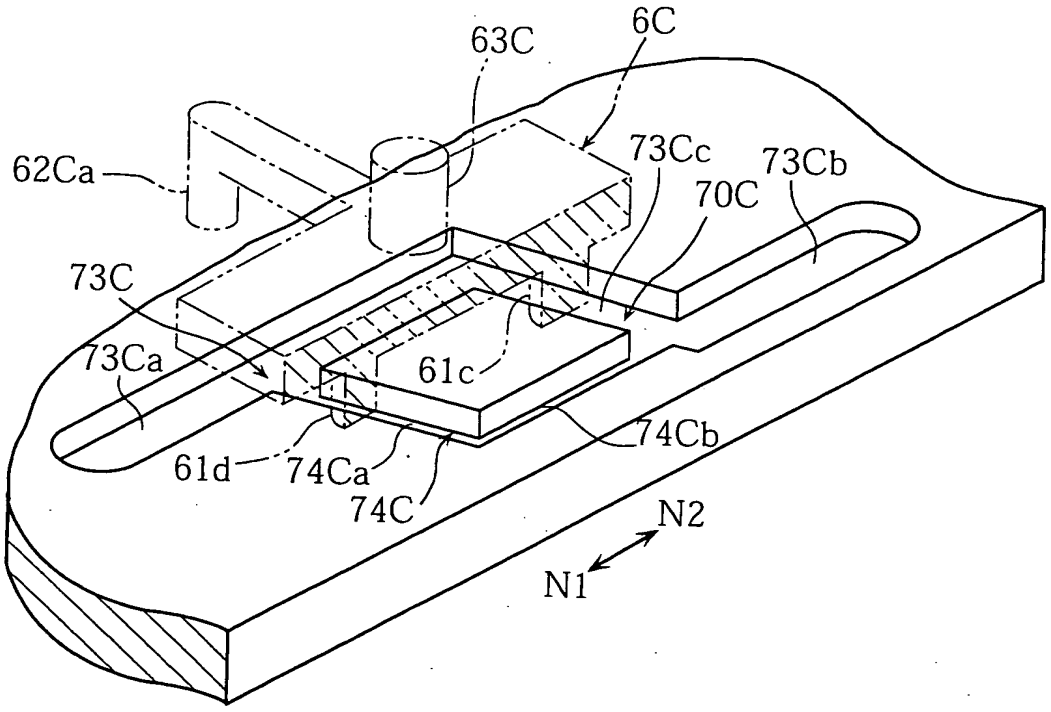


FIG.29E

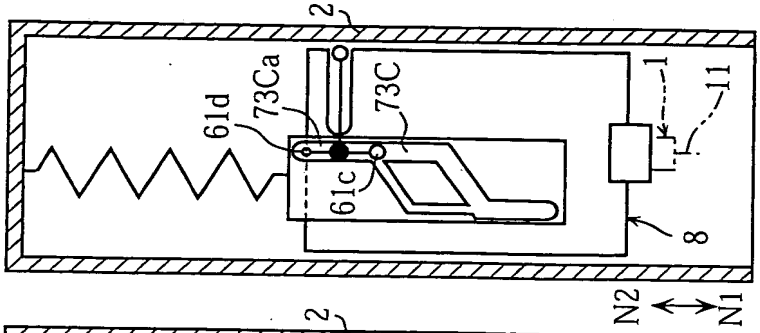


FIG.29D

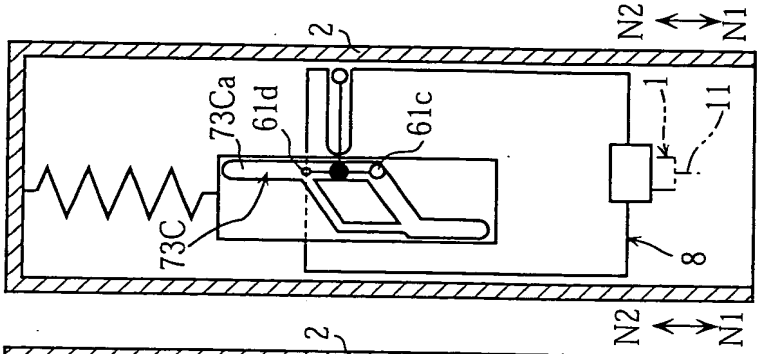


FIG.29C

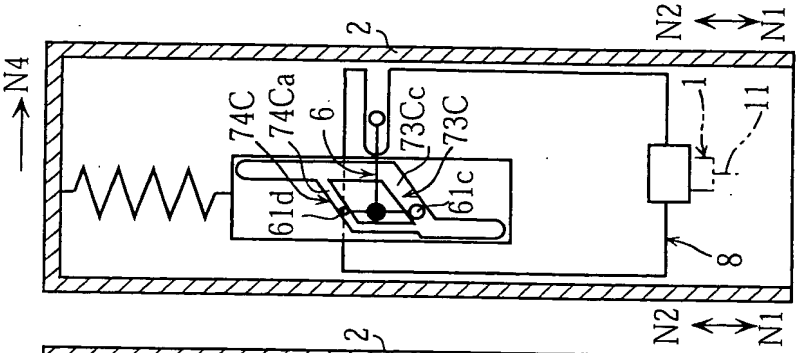


FIG.29B

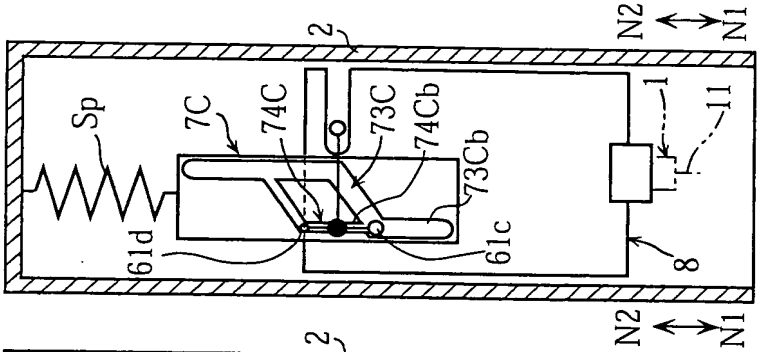
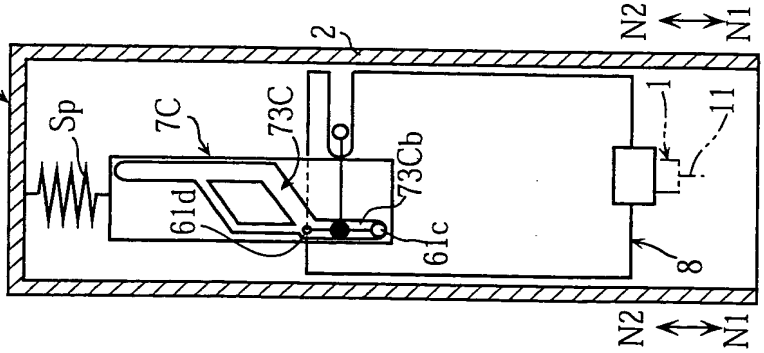


FIG.29A



10/552841

FIG.30A

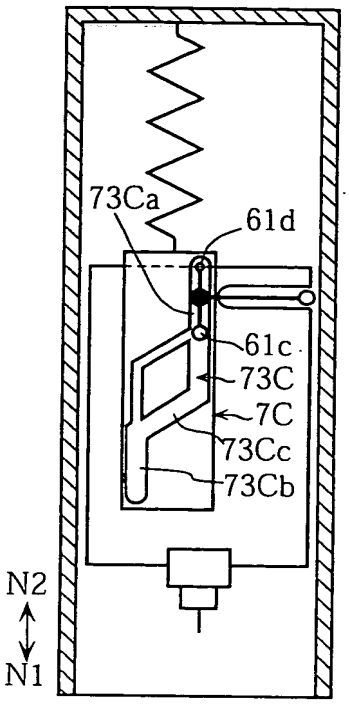


FIG.30B

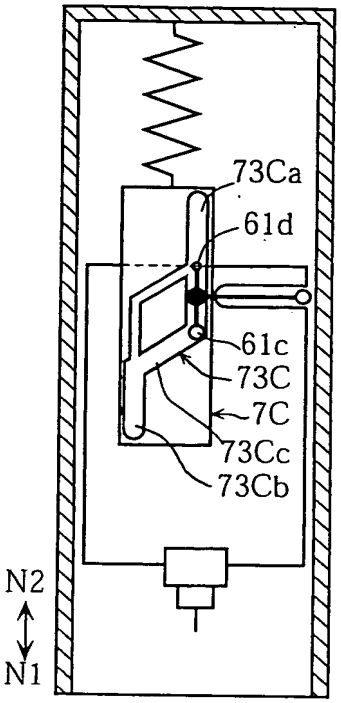


FIG.30C

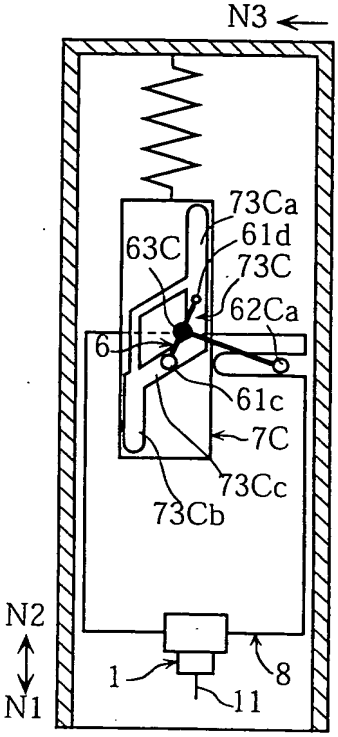


FIG.30D

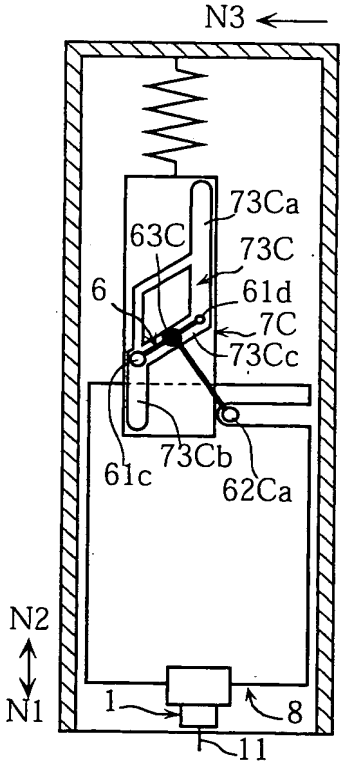


FIG.30E

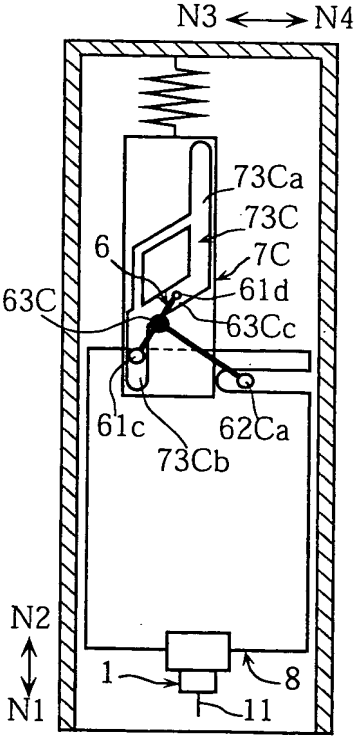


FIG.30F

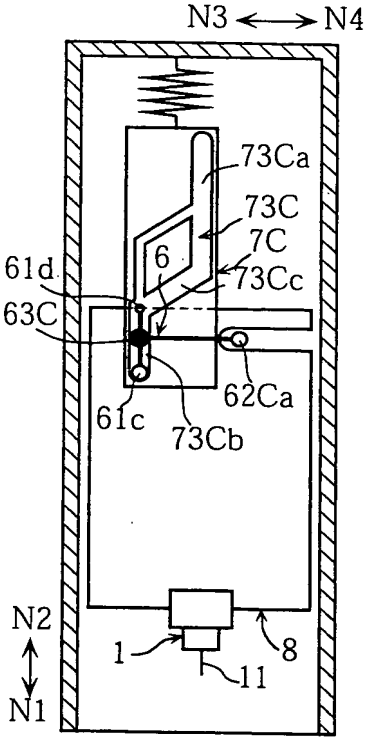


FIG.31A

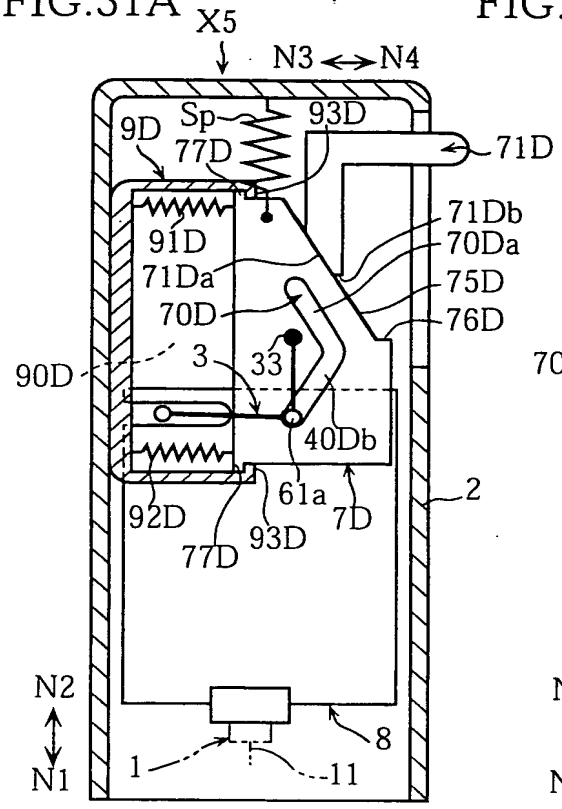


FIG.31B

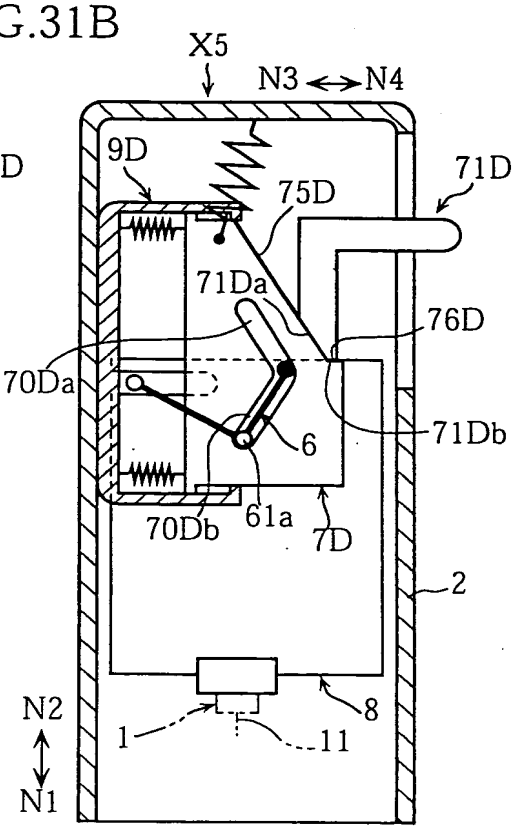


FIG.31C

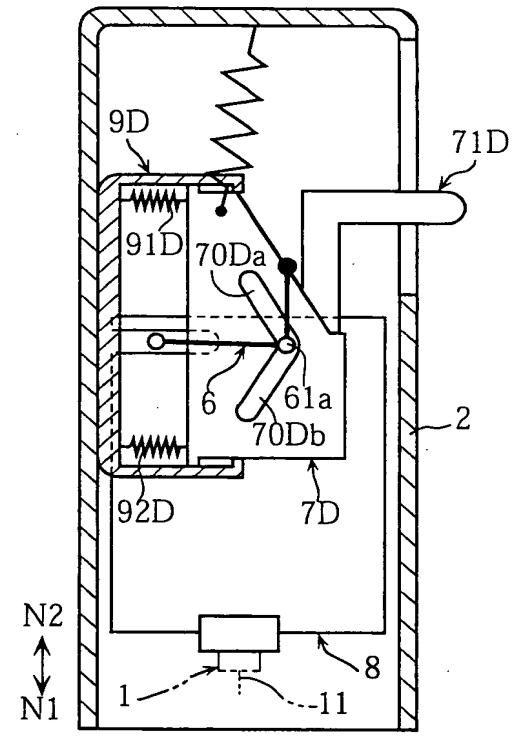


FIG.31D

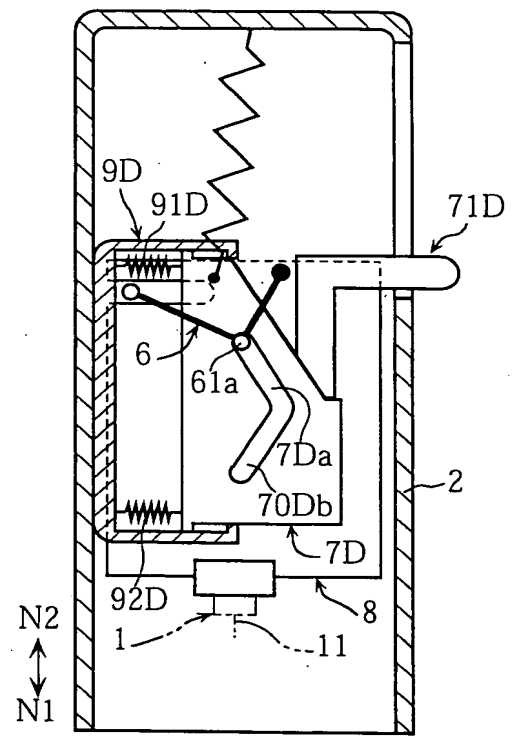


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FIG.32A

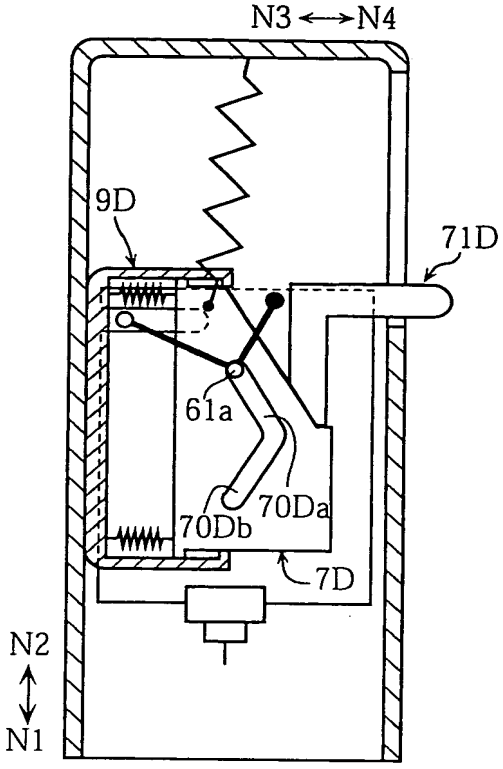

FIG.32B

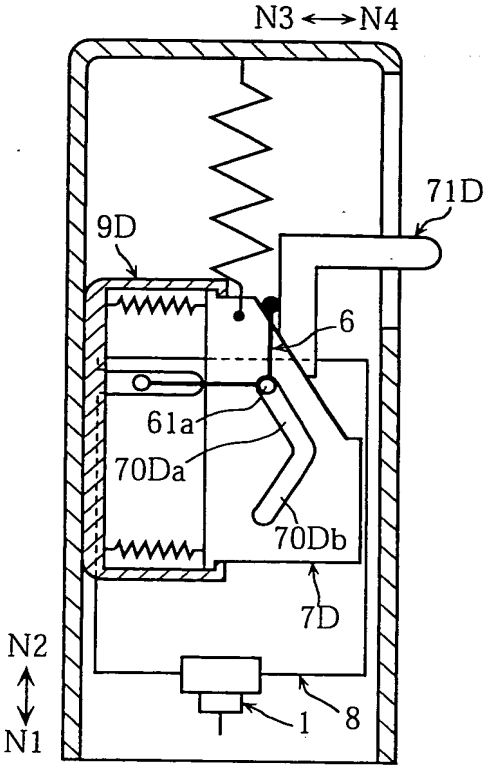

FIG.32C

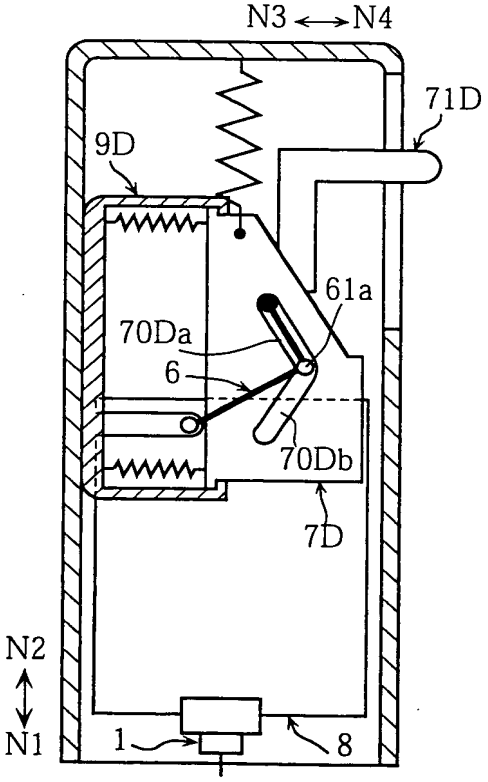

FIG.32D

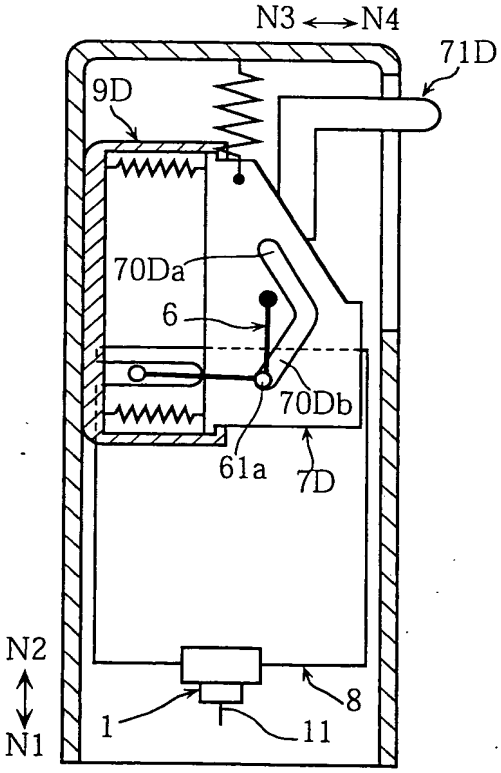

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FIG.33A
PRIOR ART

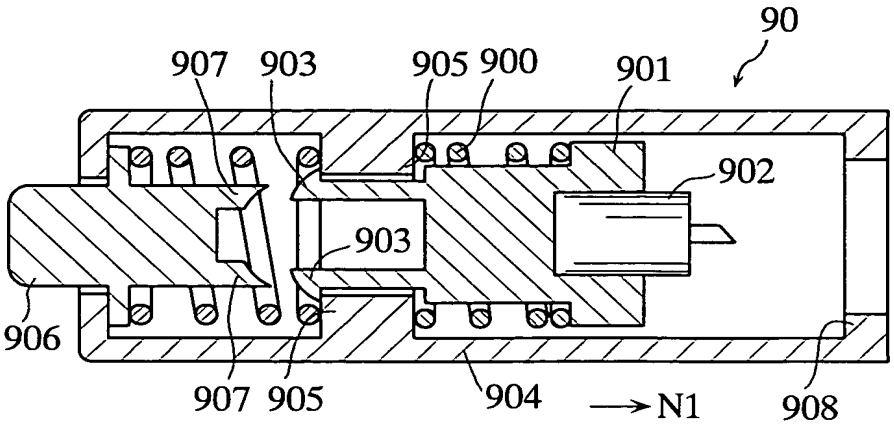

FIG.33B
PRIOR ART

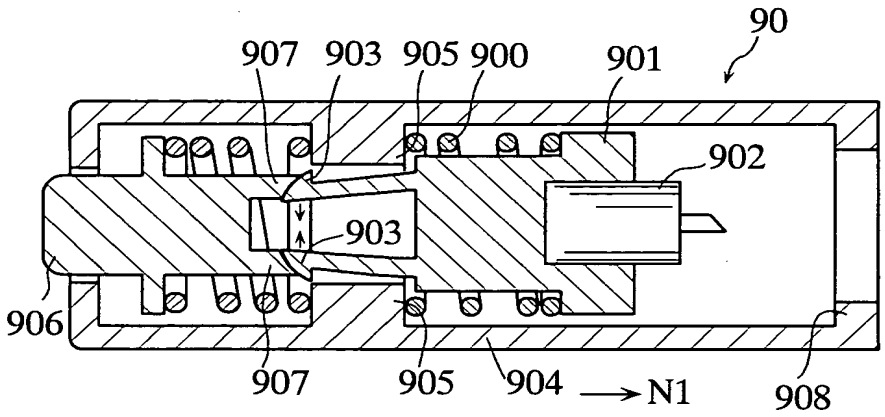

FIG.33C
PRIOR ART

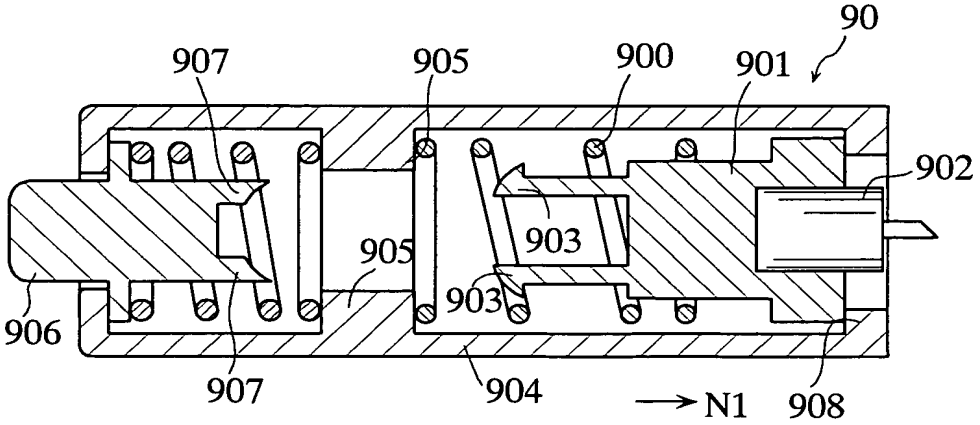

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FIG.34A
PRIOR ART

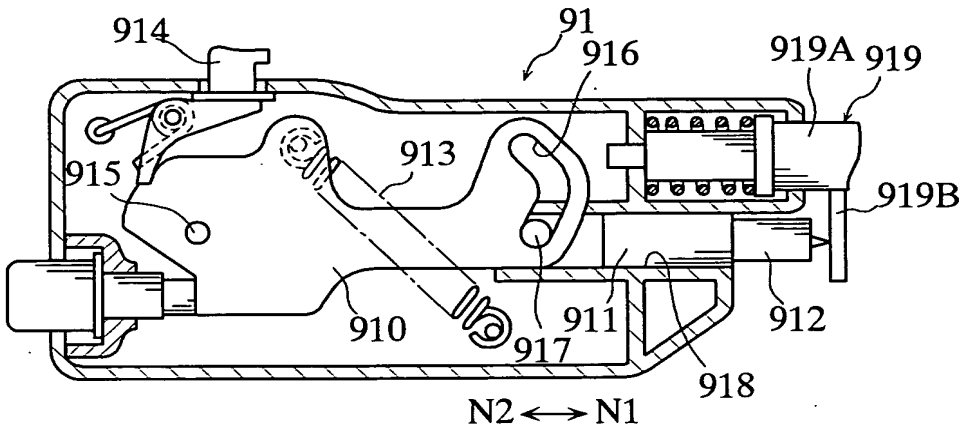


FIG.34B
PRIOR ART

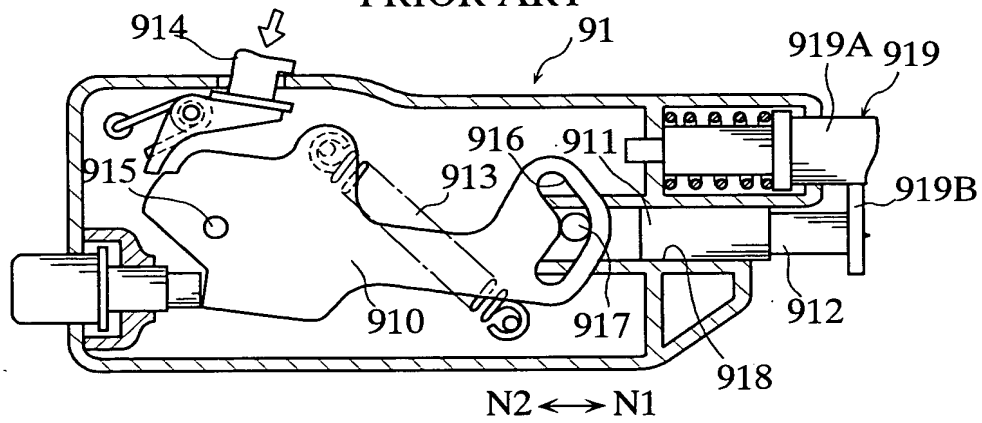


FIG.34C
PRIOR ART

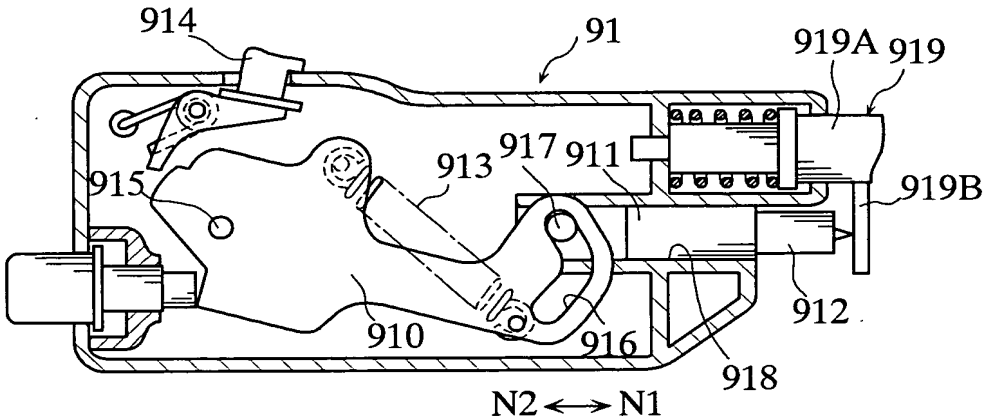
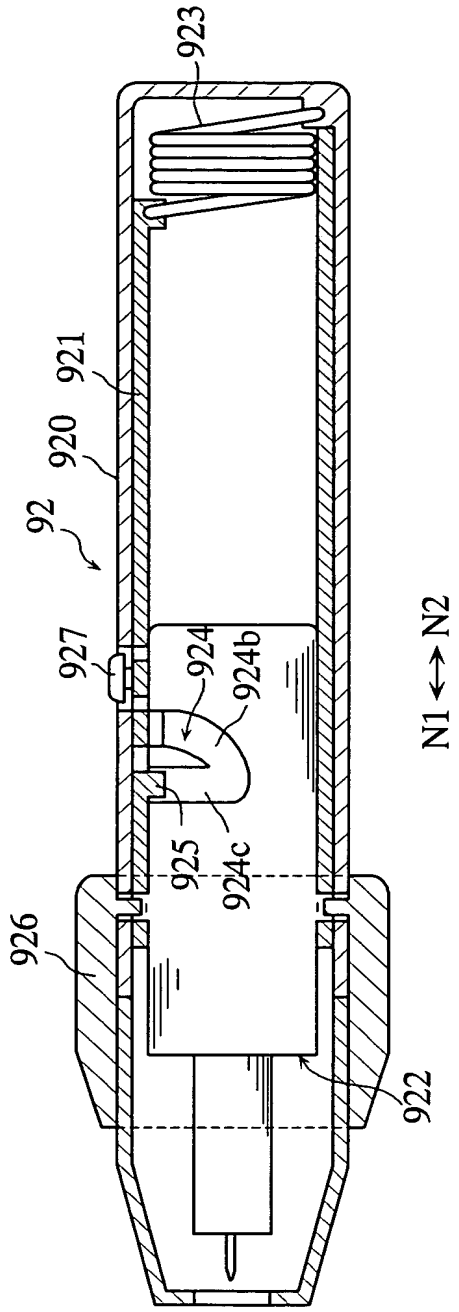


FIG.35
PRIOR ART



10/552841

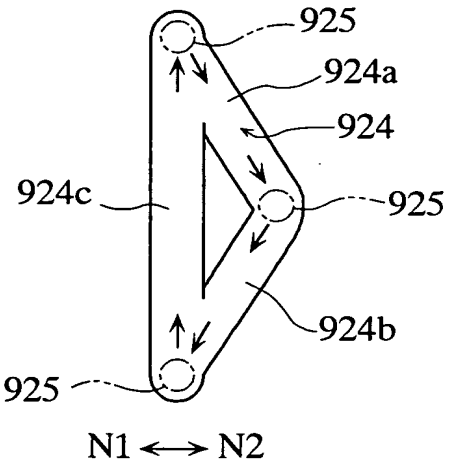



FIG.36
PRIOR ART